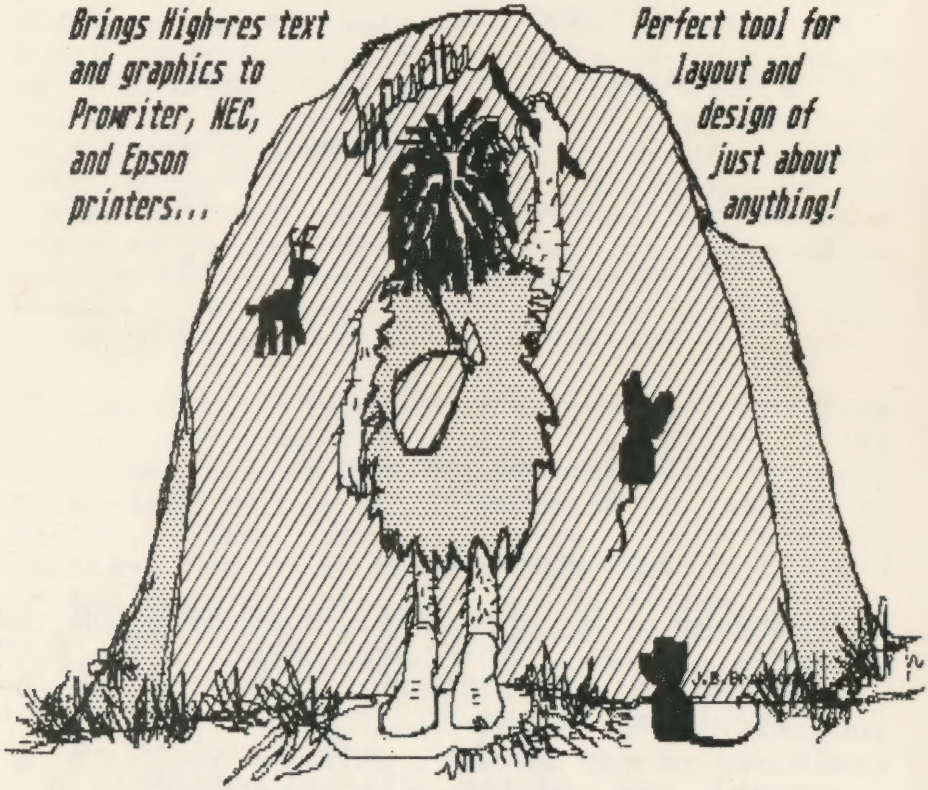
TYPESETTER ST

(c)1985

by Dennis Young
and Len Dorfman

Brings High-res text and graphics to Prowriter, NEC, and Epson printers...

Perfect tool for layout and design of just about anything!



Alpha Software
P.O. Box 5228
Springfield, VA 22150
(703)644-8881

Atari 520ST
Monochrome
version

$39.95 Price only

This cover was done by J.B.Brabson on an Atari 520ST

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TYPESETTER ST
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Len Dorfman and Dennis Young

INTRODUCTION

XLENT Software is very proud to present our first software product for the Atari 520ST, Typesetter ST. Some of you may already know that XLENT Software has released several products for the 8 bit Atari computers. Many XLENT products have been printer utilities. XLENT Software has referred to these packages as "PRINTWARE". Since the introduction of our Printware series on the 8 bit computers, we have learned that the type of software we have been producing is part of a field now called "Desktop Publishing". Typesetter ST was designed independent of what other companies are doing on other computers in this field, however, it does provide many of the same capabilities.

The version of Typesetter ST that you now have is a very powerful utility. However, it is not the product that XLENT wanted to deliver. Typesetter ST has been completed in just three months. Many utilities that we wanted to include had to be left out due to limitations in the current languages and development tools that certainly will improve as the 520 ST matures. Typesetter ST is a massive program. The code, help screens and buffers use up nearly 230 KB of memory. The linker that we were using refused to allow Len or Dennis to add anything else to the code.

In a few short months, XLENT Software will be releasing "RUBBER STAMP ST". RUBBER STAMP ST will provide additional utilities. Rubber Stamp ST will allow the user to shrink 32K screens into 1/4 page ICONS that can be loaded

as ICONS into Typesetter ST. Rubber Stamp ST will also support color. Further down the road, new version of Typesetter will be offered for a nominal upgrade fee that will be much more refined. Please send in your registration card so that we can notify you when the upgrade is available. XLENT Software also plans to release a professional "Desktop Publishing product" to support ASCII files, laser printers, multiple pages and much more.

Typesetter ST is not copy protected. This will allow the user to enter and exit the desktop and to run other programs from the hard disk with ease. XLENT Software has placed a very reasonable price on this package. We strongly urge that you do not give this program out to anyone. XLENT Software believes that users are willing to purchase good software if it is sold at a reasonable price. We have therefore not protected this package to make it as useful as possible. If we discover that this program is pirated substantially, future products will be protected. Please, do not pirate this program.

Typesetter ST will allow you to compose pages with a printed resolution of 960 x 672 pixels on a Prowriter, NEC, EPSON, Panasonic, or compatible printers. While the 520 ST only has a screen resolution of 640 x 400, Typesetter ST uses a unique multi-overlapping technique allowing the user to see 40% of the layout page at one time.

Let's begin using Typesetter ST.
Before doing any work for the first time, please make some backup copies of the Typesetter program disk.

LOADING THE PROGRAM

This version of Typesetter ST will only load onto a monochrome system. Make sure that your monochrome monitor is connected before loading up TOS. Once TOS is loaded, use the mouse to select the ICON for the drive which has your program disk. Place the cursor on the disk ICON and hit the left mouse button twice very quickly. You will see a list of files. Select the folder that is labeled "TYPE.PRG". The program will load to the first screen.

NOTE: Make sure to have enough formatted blank disks before you begin to do any work. Typesetter ST files are over 80 KB long.

GRAPHICS CARD

Hit the right mouse button. In the middle of the screen is the graphics card. The Graphics card appears to give the user a selection of possible key entries. Hitting the space bar removes the Graphics Card from the screen. OSelecting the Graphics Card wakes up the keyboard. The user may make various selections and combinations. Hitting the space bar will execute the users choices.

Hit the right button. Now select F1 (plot). Notice that a star appears to the right of the F1 to show that this is the mode selected. The Graphics Card will continue to refresh and wait for additional selection until the user selects the space bar. Select W. A new window appears giving the range of widths available. Select 2 and hit return. The user

is now returned to the Graphics Card. Hit the space bar. The user is now on a graphics screen. Use the mouse to draw or write to the screen. Hit the right button to return to the Graphics Card. This is the procedure to move into various operations of Typesetter.

From the Graphics Card select F2 (DRAWTO). Press the space bar to return to the drawing screen. Practice making lines from various points with this function.

Let's get tricky. Hit the left shift key. Notice that a grid appears. This grid is a guide to give you the relative pixel position. The grid will also tell you what screen you are working in. Hit the control key. The grid will vanish. You can not draw while the grid is displayed. It is used as a guide. Press the right shift button. A smaller grid will appear. This grid will also serve as a guide but provides more precise information. The control key will make the grid vanish. NOTE: While the grid boxes appear as rectangles on the screen, they represent true squares on the EPSON and compatible printers.

Hit the right mouse button. The Graphics Card will now appear. Select Q. A window now requests that you select a number from 1 to 9. Select 2, hit return and then the space bar. In a moment, your graphics image will shift to the left and a small white area will be seen. You have now moved to the second cell. Each cell is 640 columns by 400 rows. Since there are only 960 columns it is easy to see that there is considerable overlap between cells.

This allows the user to easily draw shapes much larger than the visible screen. The cells are arranged as follows:

```
1 2 3
4 5 6
7 8 9
```

Enter the Graphics Card (remember, hit the right button on the mouse). Select Q (Screen Cell). Select 3 (don't forget to hit return). Now press the space bar. The image will shift further left and more white space will appear. Hit the right or left shift key to bring up one of the grids. This will provide the user with valuable information about the relative position of the cell to the final printout. Once again, pressing the control key will remove the grid.

When trying to work with high resolution images on a cell, you may shrink the images by selecting "K" or "L" from the graphics card. This option will allow you to use digitized images in your printout without having them appear elongated. "K" provides a 25% vertical shrink and "L" provides for a 33% shrink.

The Graphics Card may be changed from time to time. Therefore, a complete description of the functions is not appropriate. (NOTE: Please check the disk for a file called "READ.ME". This file, if it exists will document the newest features of Typesetter.) However, the following functions are likely to remain constant:

F1 -> Plot Used for free-hand drawing. Use "C" to select color and "W" to select width.

F2 -> Used to construct straight lines from two points.

F3 -> Rectangle used to place rectangles on the screen. Select "S" to change size.

F5 -> Pie used to place pie slice shapes on the screen. Select "S" to change size.

F6 -> Arc used to place an arc shape on the screen. Select "S" to change size.

F7 -> Line 90 deg. used to place a line in any of four 90 degrees on the screen. Use "D" to change direction. Use "W" to change width. Use "S" to change size.

F8 -> Contour Fill is used to fill the interiors of any geometric shape.

Selecting "W" will change the pen width. This will also change the width of the borders of the various shapes. The current width is displayed.

Selecting "C" will change the pen color.

Selecting "S" will change the size of the various shapes.

Selecting "H" will vary the height to width ratio of the various shapes.

Selecting "X" will vary the arc angles for the pie and arc shapes.

Selecting "D" will vary the direction of the 90 degree line.

Selecting "K" will compress the cells contents by 25%.

Selecting "F" will give the user a choice of up to 24 different fill patterns.

Selecting "I" will give the user an interior pattern instead of a hollow interior. There will be several options to choose from.

Selecting "M" will give the user several choices for logical overlays. Experiment with the options provided.

Selecting "P" will print out the high resolution screen. Selecting Shift-Alt-Help will print out the contents of a single cell.

NOTE: The default printer is EPSON. To switch to the Prowriter or NEC, press "ALT 2" from the graphics card. Press "ALT 1" to switch back to EPSON.

Selecting "CLR Home" will give the user the option to clear the entire page, one cell or any quarter of a cell.

F1 Clears the entire page.

F5 Clears the current cell.

F9 Clears a single quadrant as follows:

A B
C D

Selecting "L" will compress the contents of the current cell by 33%.

Note: Use the "+" key on the number pad to return to the DESKTOP and not the "+" key on the number row.

FIRST ASSIGNMENT

Enter the Graphics Card. Press "CLR HOME" key to clear out all the cells. Now, work on a graphics image that will fill all nine cells. Experiment with the other selection on the

Graphics Card. Once finished, select P (print screen) from the graphics cell to print your work. Remember that the EPSON printers will distort the height to width ratio by 33%. Use the grids as an aid.

TEXT MODE

Status	Key	Text Characteristics
10	F1 ->	Font Selection Enter 1-23
00	F2 ->	Rotation: 00, 90, 180, 270
Off	F3 ->	Thickness Toggle
Off	F4 ->	Intensity Toggle
Off	F5 ->	Skewing Toggle
Off	F6 ->	Underline Toggle
Off	F7 ->	Outline Toggle
Off	F8 ->	Overlay Mode Toggle
Off	F9 ->	International Font Toggle

Lt. Margin 0 Rt. Margin: 80

- Hit Space bar when done -

Note: The left and right margin indicators are relative markers. Font style 10 is actually 80 characters across the cell and 120 across the page. Other font styles will vary. To find out how many columns there are for each font style, select each font and then type numbers from 1 through 0 repeatedly across the screen. Print out this page for future reference.

Selecting F2 will toggle through the various text rotations. This mode will be somewhat difficult to use as the cursor will disappear in this mode.

F3 will make any font print thicker. Some fonts may be too small for this option to function properly.

F4 will cause the text to print light on the screen.

F5 will skew the text. For best results, also use the overlay mode (F8).

F6 will toggle from underline to no underline for text.

F7 will hollow out the fonts. Not all fonts will print correctly in this mode. For best results, use the overlay mode (F8).

F8 will toggle the overlay mode. This mode will allow you to type over a character without overwriting graphics or text.

F9 will toggle in the international fonts. The International character set includes Hebrew, Greek, specially accented foreign letters, and a potpourri of graphics characters.

From cell 1, enter the graphics card and then enter the TEXT EDITOR by selecting "T" and then the space bar. Try the TAB and HOME keys. Pressing shift and the arrow keys will move the cursor on the screen in very small increments. If your text and cursor get out of alignment, simply use the shift and cursor keys to realign your cursor key. If you hit F1, you will see the TEXT Characteristics card as displayed above. Try selecting the various font styles and typing them to the screen. Experiment with the various special effects.

Some of the function keys will give you special capabilities from the text editor. These function keys include:

F1 brings up the text options and toggles out of the graphic font.

F2 will give you access to many different

options for the graphic characters. These characters can be used as border fonts. There are different characters for each key (upper and lower case). To exit the graphics font, press F1.

The options for F2 are:

F1 -> Inverse
F2 -> Graphic Font Height
F3 -> Graphic Font Width
F4 -> Overlay Mode

Function keys F4 and F5 will bring up the grids mentioned in the section about the Graphics Card. Use the control key to remove the grid.

F7 and F8 are very powerful in that they allow the user to set up margins in a cell for entering in text. This is very useful in creating columns of text.

F9 will allow the user to move to a different cell.

F10 will bring up the Disk Input // Output Options.

Disk Input // Output Options

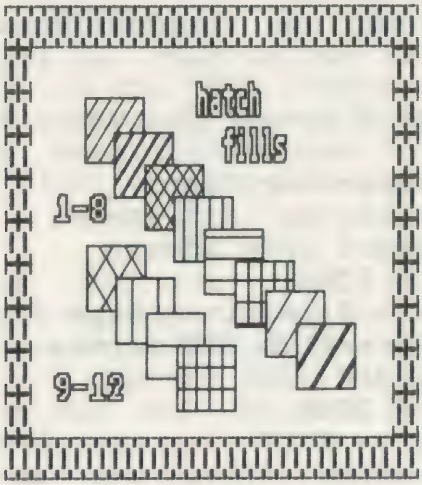
F1 -> Load Typesetter Page
F2 -> Load Typesetter 32K screen
F3 -> Load headed 32K+ screen
F4 -> Load 8 K ICON
F6 -> Save full Typesetter Page
F7 -> Save Typesetter 32K screen
F8 -> Save headed 32K+ screen
F9 -> Save 8 K ICON
Space bar to EXIT

NOTE: Typesetter files may not have any numbers in the name.

Make sure that you have a formatted disk if you plan to save any work. The selection labeled "Load headed 32K+ screen" allows the user to load and save screen files that have a 128 byte header on them - such as certain digitized pictures. Other screen files that do not have this header can be loaded using the "Load Typesetter 32K screen". The extender ".PIC" is required for the 32K files and ".TYP" is required for full page files.

There are 36 quarter cell locations on the Typesetter page. Information can be loaded or saved from any of these locations. To determine the location of these quadrants, bring up the grid to see the quadrant markers. Rubber Stamp ST will shrink full page images to fit into these quadrants.

NOTE: To return to the GRAPHICS CARD from the TEXT EDITOR, press the ESC key followed by the SPACE BAR.

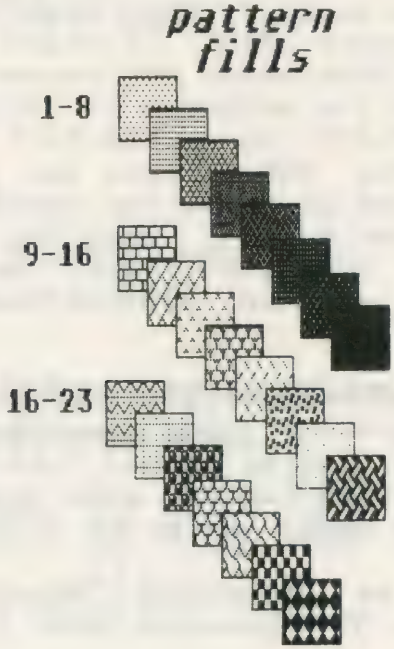


APPENDIX A
IDEAS & SUGGESTIONS

There are so many uses for TYPESETTER that we can only suggest a few.

Jennifer Brabson and Johnny Masuda have both used Typesetter to produce very professional looking ads. Use Typesetter to do your own ads, or start a business designing ads for other organizations.

Another good use for Typesetter is for designing small newsletters. Since you have full control of the margin settings, it is easy to create columns. Load in your drawings first, then add text around them.



APPENDIX B (FOR ARTISTS)

There is very little that I hate to do less than admit that another company is marketing good software. At XLENT Software, we write most of what we need. There is a new package on the ST that is one of the best products available and will enhance Typesetter pages. The program is DEGAS from Batteries Included. XLENT Software tried to convince Tom Hudson to market DEGAS through XLENT Software. Mr. Hudson decided to market DEGAS through Batteries Included instead. This program is one of the best graphic programs available. Jennifer Brabson and Johnny Masuda use DEGAS to compose their graphic screens to load into Typesetter.

Note: Degas saves it high resolution screens with the extender .PI3. In order to use these screens in Typesetter ST, rename the picture file so that its extender is .PIC. (EXAMPLE: change MOUSE.PI3 to MOUSE.PIC) To change a filename, from TOS, select the file you want to change, then go up to the "FILE" options at the top of the screen. When the window drops down, select "SHOW INFO". When the information on the file is shown, you can then change the file name.

ANTIC will be marketing a mapping program for the ST computers. The maps generated with this program can be loaded into Typesetter. Jennifer Brabson worked with this program at Comdex in Las Vegas and gives it high marks.

XLENT will be releasing "MegaFont ST" and "Rubber Stamp ST" in early 1986.

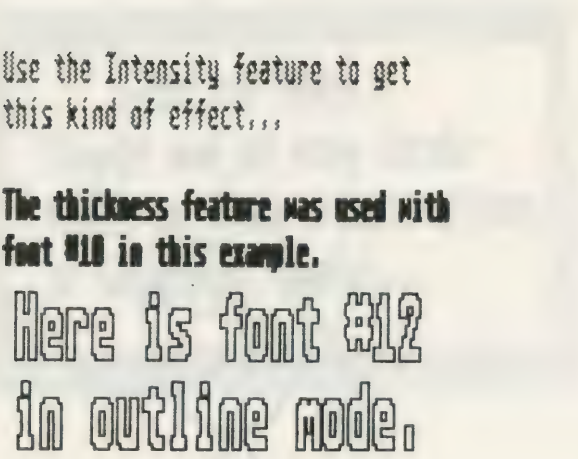
APPENDIX C
HELP FOR SALE

If you have a special design need, the following people will design logos and other layouts for a fee. Please contact them for futher information.

Johnny Masuda
MasudaSoft
8503 Lindside Way
Springfield, Virginia 22153

Jennifer Brabson
6807 Brisbane Street
Springfield, Virginia 22152

Ira Brickman
White Lion Software
P.O. Box 357
Ridge, New York 11961


Use the Intensity feature to get
this kind of effect...
The thickness feature was used with
font #18 in this example.
Here is font #12
in outline mode.

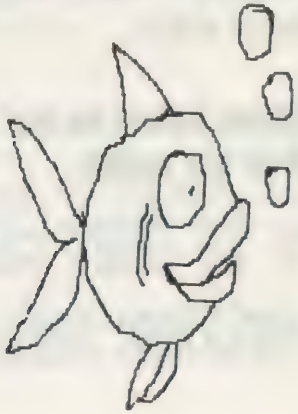
REPLACEMENT POLICY

The original diskette is guaranteed against defects due to faulty materials or workmanship for ninety (90) days from the date of purchase. If you are having problems, please return the diskette to us and we will replace it. Please include a copy of your receipt.

Problems Printing? If you do have problems, and we hope you don't, please send us a copy of your problem and an explantion of when it occurred. Please include information about your system along with the version and serial number of your program disk.

UPGRADE POLICY

Please send in the registration card for your software. We are planning to offer upgrades to all registered owners for $10. Sending in the registration card will put you on our mailing list so that we can notify you when the upgrades are available.



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ACKNOWLEDGEMENTS

Many thanks to Jennifer Brabson, Johnny Masuda, Mike Barnes, Barbara Calderon, Linda Kubota-Barnes and everone else who helped with suggestions and artwork.

We welcome any written comments or suggestions that will help us provide you with the software you want. Send them to

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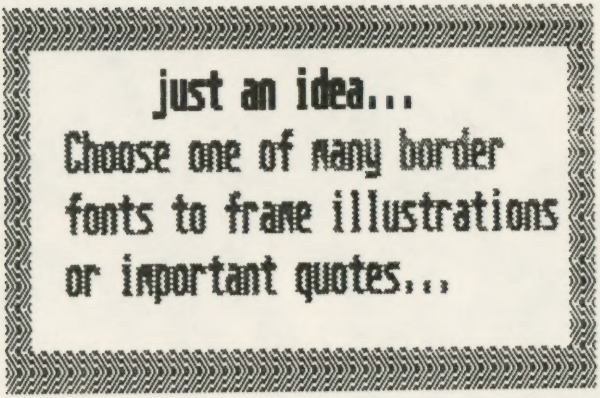
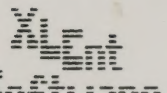
P.O. BOX 5228
Springfield, VA 22150



Presenting...

The XLent Staff

(not pictured: Jennifer Brabson)

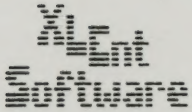


REGISTRATION CARD

Please complete this card & return it to XLENT Software. Sending in this card will place you on our customer list and make you eligible, when available, for nominal cost updates to your program.

Program _____ Ver. _____ Ser.# _____
Date of Purchase _____
Purchased from _____
City/State/Zip/Country _____
Type of Computer System: ( ) 48K or XL ( ) 130 XE
( ) 520 ST [ ]monochrome [ ]color
Used mainly for: ( ) Business ( ) Personal
Where did you hear about our products? _____
_____

Name _____
Address _____
City/State/Zip/Country _____



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